



# iMac G5 17" Model A1058 Inverter pinout 6 pin

How to hook up 6 pin( pinout-given ) inverter direct to PSU and have a backlight without motherboard Very useful and NEEDED for the Monitor mod, when you can use the TMDS LCD direct as DVI The pinout of the inverter is given on the pictures

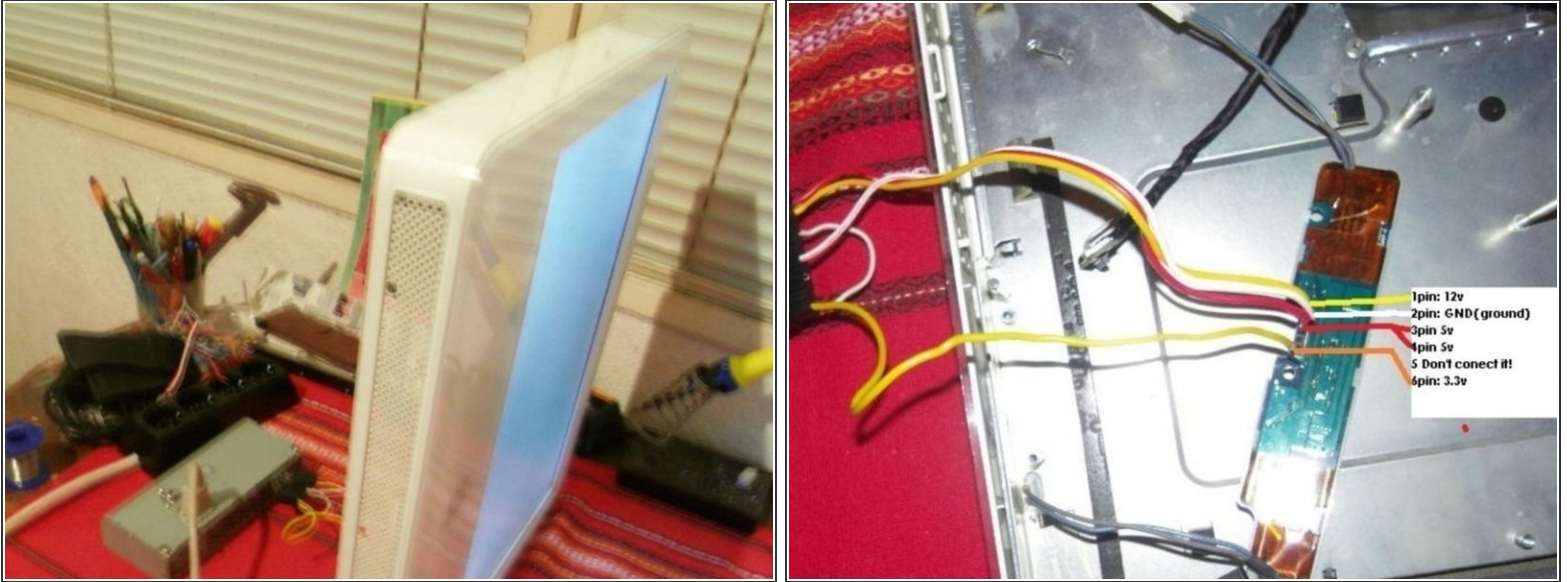
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## INTRODUCTION

How to hook up 6 pin( pinout-given ) inverter direct to PSU and have a backlight without motherboard

## Step 1 — iMac G5 17" Model A1058 Inverter pinout 6 pin



- That is the G5 17" A1058 Inverter pinout with 6 pins. I took it down myself from the board with a multimeter and the ICs Datasheets.
- 12v is the main source
- GND is ground
- 5V supplies Op amp on the scheme that gives the niveau of backlight, It can't be lower than 5v so actually it doesn't regulate the dimm of the light.
- 5v The second line Gives the Enable signal of the inverter
- Don't connect. It goes to a gate of two mos transistors k72 SMD and is protected through a diode directly after the pin. It should turn on these Transistors but when I give it supply, the backlight goes off and doesn't turn on back again when I remove the supply (I tried 5v) Fixed it with reset of the PSU.
- 3.3 v. Again goes on set of MOS transistors. Their gates should be capable of taking up to 5-10 volts. But I decided to play it safe. It makes the backlight brighter (that is the light dimmer). Without it the backlight works but isn't brighter as it should.

To reassemble your device, follow these instructions in reverse order.

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